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delaying promotion of temporary data to an old

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Guardians in a generation-based garbage collector

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RK Dybvig, C Bruggeman, D Eby - Proceedings of the ACM ..., 1993 - portal.acm.org
... Similar mechanisms can be used to free other external resources, such as **temporary** files and subpro- cesses. ... the **data** itself even after the header has been dropped. ... the invocation of other finalization t hunks, er- ror signals must be suppressed or somehow **delayed** until all ...
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Exploring the barrier to entry: incremental generational garbage collection for Haskell

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AM Cheadle, AJ Field, S Marlow, SL Jones, ... - Proceedings of the 4th ..., 2004 - portal.acm.org
... Note that there is an inherent **delay** between a closure be- ing entered for the first time ... There have been numerous studies on tenuring/**promotion** strategies, **generation** sizing and number [1, 10, 23, 9 ... Notice that the static **data** that sits above the ob- ject's entry code must carry a ...
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Multitasking without compromise: a virtual machine evolution

[psu.edu](#) [PDF]

G Czajkowski, L Daynés - ACM SIGPLAN Notices, 2001 - portal.acm.org
... task_id_offset], task_id_id [tcm_table + task_id], tcm brnz,pt,a,tcm end_barrier <**delay** slot filled ... first load fetches a unique internal task identifier from the current thread **data** structure (a ... the total footprint attributed to report the percentage the code cache and permanent **generation** ...
[Cited by 126](#) - [Related articles](#) - [BL Direct](#) - [All 13 versions](#)

Integrating generations with advanced reference counting garbage collectors

[technion.ac.il](#)

H Azatchi, E Petrank - Compiler Construction - Springer
... Weizman [25] studied ameliorating the **delay** introduced by recursive deletion. ... If it is not set, a **temporary** replica of the object is taken and is committed by checking again if the object's dirty flag is still not set. ... This naive **promotion** policy fits nicely into the algorithms we use. ...
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PDF Performance Tuning: GC Friendly Java

[psu.edu](#) [PDF]

J Shen - Citeseer
... **Old Generation** Object **Promotion** Object Allocation Track These ... Reference update tracking (write barrier) • If only **old generation** is incremental • No need to track updates on young objects
Page 9. ... Higher allocation rate implies more frequent GCs • Live **data** size ...
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Incremental, multi-area, generational, copying garbage collector for use in a virtual address space

TJ McEntee, RW Bloemer, DW Oxley, SM ... - US Patent ..., 1989 - Google Patents
... be run on larger systems.) memory processes can act on memory concurrently; In efforts to minimize the **delay** effects of ... If a bit is turned on, it signifies 50 page is scanned again, and a **temporary** list of ... 5. First, the value hi a **data** field cell 52 is replaced with a pointer to the virtual ...
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Cache Line Boundary Allocation for Garbage Collected Systems

[ncsu.edu](#) [PDF]

PA Wagie - 2007 - lib.ncsu.edu
... Moreover, **delaying** reclamation of memory until **garbage collection** is triggered, results in a **temporary** increase of memory footprint. Various **garbage-collection** algorithms, ... employed only for the nursery objects. A bigger nursery is used to **delay** object **promotion**, so ...
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Automatic object colocation based on read barriers

[psu.edu](#) [PDF]

C Wimmer, H Mössenböck - Modular Programming Languages - Springer
... Therefore, the code is placed in a slow case [4] that collects **data** only for every 1000th field ... young **generation**, but it is only necessary if no more space is available for the **promotion** of young ... When the copying of a child object is **delayed**, the references to the child require a later ...
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PDF Hierarchical garbage collection in scalable distributed systems

[psu.edu](#) [PDF]

N Venkatasubramanian, G Agha, C Talcott - Master's thesis, University of ..., 1992 - Citeseer

